

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1245400

Luminaire Tested: PRLX-UNA-M-930-01L-U-PS

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1245400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2412-299-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UNA-M-930-01L-U-PS
Description: 3D PRINTED PENDANT LED LUMINAIRE, MEDIUM LIGHT ENGINE, PINSTRIPE SHADE TEXTURE LIGHT LEVEL 1
Light Source: -
Ballast/Driver: -

Summary

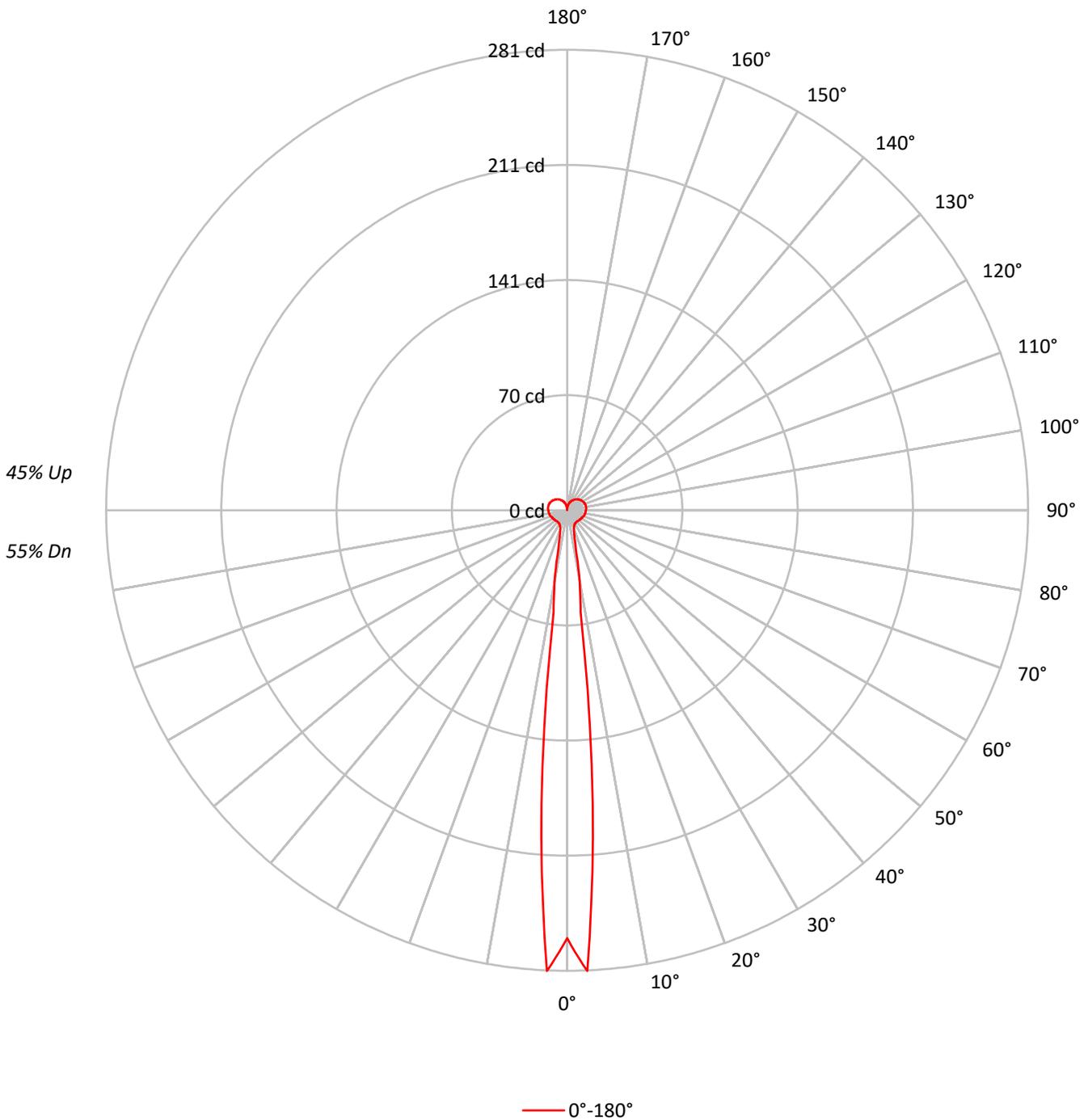
Lumens per Lamp: N/A
Luminaire Lumens: 140.1 lumens
Efficiency: N/A
Efficacy: 22.2 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.18
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 0.46' x H: 1.92')
CIE Type: General Diffuse

Input Watts (W): 6.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	95	90	84	80	88	83	78	74	70	67	64	59	56	54	48	46	45	39
2	86	77	70	63	79	71	65	59	61	56	51	51	47	43	42	39	36	31
3	78	68	59	53	72	63	55	49	53	48	43	45	40	36	37	33	30	26
4	72	60	51	45	66	56	48	42	48	42	37	40	35	32	33	30	27	23
5	67	54	45	39	61	50	43	37	43	37	32	37	32	28	31	27	24	21
6	62	49	41	34	57	46	38	33	40	33	29	34	29	25	28	25	22	19
7	58	45	37	31	53	42	35	29	37	31	26	31	27	23	27	23	20	17
8	54	41	34	28	50	39	32	27	34	28	24	29	25	21	25	21	19	16
9	51	38	31	26	47	36	29	25	32	26	22	28	23	20	24	20	17	15
10	48	36	29	24	45	34	27	23	30	24	21	26	22	19	23	19	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	13381
5°	6775
10°	1300
15°	435
20°	262
25°	199
30°	165
35°	148
40°	135
45°	130
50°	127
55°	124
60°	124
65°	124
70°	127
75°	131
80°	133
85°	136

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 90°
 Luminance: 141 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	8.3
10°-20°	5.6	4.0
20°-30°	4.8	3.4
30°-40°	5.8	4.1
40°-50°	7.2	5.1
50°-60°	8.7	6.2
60°-70°	10.2	7.2
70°-80°	11.5	8.2
80°-90°	12.3	8.8
90°-100°	12.7	9.1
100°-110°	12.4	8.8
110°-120°	11.2	8.0
120°-130°	9.5	6.7
130°-140°	7.3	5.2
140°-150°	5.0	3.6
150°-160°	2.9	2.1
160°-170°	1.2	0.9
170°-180°	0.2	0.1
0°-30°	22.0	15.7
0°-40°	27.8	19.8
0°-60°	43.7	31.2
0°-90°	77.7	55.5
90°-120°	36.2	25.9
90°-150°	58.0	41.4
90°-180°	62.0	44.3
0°-180°	140.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	261	
5°	180	12
15°	17	6
25°	10	5
35°	9	6
45°	9	7
55°	10	9
65°	10	10
75°	11	12
85°	11	9
90°	12	6
95°	12	10
105°	12	12
115°	11	11
125°	11	9
135°	10	7
145°	8	5
155°	6	3
165°	4	1
175°	1	0
180°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	261.1
2.5°	281.4
5°	179.9
7.5°	62.7
10°	43.4
12.5°	24.9
15°	17.4
17.5°	14.1
20°	12.1
22.5°	11.0
25°	10.4
27.5°	9.8
30°	9.5
32.5°	9.3
35°	9.3
37.5°	9.1
40°	9.1
42.5°	9.1
45°	9.3
47.5°	9.3
50°	9.5
52.5°	9.5
55°	9.7
57.5°	9.8
60°	10.0
62.5°	10.0
65°	10.2
67.5°	10.4
70°	10.6
72.5°	10.8
75°	11.0
77.5°	11.0
80°	11.1
82.5°	11.3
85°	11.3
87.5°	11.3
90°	11.5
92.5°	11.5
95°	11.7
97.5°	11.7
100°	11.7
102.5°	11.7
105°	11.7
107.5°	11.7
110°	11.5

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	11.5
115°	11.3
117.5°	11.1
120°	11.0
122.5°	10.8
125°	10.6
127.5°	10.2
130°	10.0
132.5°	9.7
135°	9.5
137.5°	9.1
140°	8.7
142.5°	8.4
145°	8.0
147.5°	7.6
150°	7.2
152.5°	6.7
155°	6.3
157.5°	5.8
160°	5.4
162.5°	4.8
165°	4.3
167.5°	3.7
170°	3.2
172.5°	2.2
175°	1.3
177.5°	0.6
180°	0.2



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	0.0	0.9	0.8	1.8	3.0	0.0	0.9	0.8	1.8	3.0
	3H	2.9	3.8	3.8	4.7	6.0	2.9	3.8	3.8	4.7	6.0
	4H	4.4	5.3	5.3	6.2	7.4	4.4	5.3	5.3	6.2	7.4
	6H	5.9	6.7	6.8	7.6	8.9	5.9	6.7	6.8	7.6	8.9
	8H	6.6	7.4	7.5	8.3	9.6	6.6	7.4	7.5	8.3	9.6
	12H	7.3	8.0	8.2	9.0	10.2	7.3	8.0	8.2	9.0	10.2
4H	2H	0.6	1.5	1.6	2.4	3.7	0.6	1.5	1.6	2.4	3.7
	3H	3.9	4.6	4.8	5.6	6.8	3.9	4.6	4.8	5.6	6.8
	4H	5.5	6.2	6.4	7.2	8.4	5.5	6.2	6.4	7.2	8.4
	6H	7.1	7.8	8.1	8.8	10.0	7.1	7.8	8.1	8.8	10.0
	8H	7.9	8.5	8.9	9.5	10.8	7.9	8.5	8.9	9.5	10.8
	12H	8.7	9.3	9.7	10.3	11.6	8.7	9.3	9.7	10.3	11.6
8H	4H	6.0	6.6	7.0	7.6	8.9	6.0	6.6	7.0	7.6	8.9
	6H	7.9	8.4	8.8	9.4	10.7	7.9	8.4	8.8	9.4	10.7
	8H	8.8	9.3	9.8	10.3	11.6	8.8	9.3	9.8	10.3	11.6
	12H	9.8	10.2	10.8	11.2	12.5	9.8	10.2	10.8	11.2	12.5
12H	4H	6.1	6.7	7.1	7.7	9.0	6.1	6.7	7.1	7.7	9.0
	6H	8.1	8.5	9.0	9.5	10.8	8.1	8.5	9.0	9.5	10.8
	8H	9.1	9.5	10.1	10.5	11.8	9.1	9.5	10.1	10.5	11.8

(END OF REPORT)